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**OPTICAL APPARATUS WITH FARADAY  
ROTATOR, STATIC GAIN FLATTENING  
FILTER AND VARIABLE OPTICAL ATTENUATOR**

5 Cross-Reference to Related Applications

This application is a continuation-in-part of serial no. 09/801,566, now U.S.P. No. 6,640,0  
filed March 7, 2001 and identified as attorney docket 21501-731, which is a  
continuation-in-part of serial no. 09/765,971 filed 01/19/2001, which is a  
continuation-in-part of serial no. 09/729,661 filed 12/04/2000, which is a  
continuation-in-part of serial no. 09/666,763 filed 09/21/2000, which  
application is a continuation-in-part of and claims the benefit of priority  
from Provisional Patent Application Serial No. 60/206,767, filed  
05/23/2000, serial no. 09/666,763 also being a continuation in part of serial  
no. 09/571,092 filed 5/15/2000, which is a continuation of serial no.  
09/425,099 filed 09/23/1999, which is a continuation-in-part of serial no.  
09/022,413 filed 02/12/1998, which claims priority to KR 97-24796 filed  
06/06/1997, all of which applications are fully incorporated herein by  
reference.

**BACKGROUND OF THE INVENTION**

20 Field of the Invention

This invention relates generally to devices for transmitting optical  
signals, and more particularly to static filters and Faraday rotators.

Description of Related Art

In modern telecommunication systems, many operations with digital  
25 signals are performed on an optical layer. For example, digital signals are